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- (71) Applicant (for all designated States except US): **CEL-GENE CORPORATION** [US/US]; 7 Powder Horn Drive, Warren, NJ 07059 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **ZELDIS, Jerome, B.** [US/US]; 157 Christopher Drive, Princeton, NJ 08540 (US).
- (74) Agents: **INSOGNA, Anthony, M. et al.; PENNIE & EDMONDS LLP**, 1155 Avenue of the Americas, New York, NY 10036 (US).
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(54) Title: SELECTIVE CYTOKINE INHIBITORY DRUGS FOR TREATING MYELODYSPLASTIC SYNDROME

(57) Abstract: Methods of treating, preventing and/or managing a myelodysplastic syndrome are disclosed. Specific methods encompass the administration of a selective cytokine inhibitory drug, or a pharmaceutically acceptable salt, solvate, hydrate, stereoisomer, clathrate, or prodrug thereof, alone or in combination with a second active ingredient, and/or blood or cells for transplantation therapy. Specific second active ingredients are capable of affecting or improving blood cell production. Pharmaceutical compositions, single unit dosage forms, and kits suitable for use in methods of the invention are also disclosed.

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## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US03/11324

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : A61K 31/27, 31/34, 31/44, 31/47, 31/40

US CL : 514/300, 309, 339, 355, 411, 416, 417, 472, 477

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 514/300, 309, 339, 355, 411, 416, 417, 472, 477

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,658,940 A (MULLER et al) 19 August 1997 (19.08.1997), the abstract, column 3, lines 16-35, the claims.	1-37
Y	US 5,605,914 A (MULLER) 25 February 1997 (25.02.1997), column 3, lines 21-38, the claims.	1-37
Y	US 5,698,579 A (MULLER) 16 December 1997 (16.12.1997), column 3, lines 18-35, the claims.	1-37
Y	US 5,728,844 A (MULLER et al) 17 March 1998 (17.03.1998), column 4, line 66 to column 5, line 28.	1-37
Y	US 5,728,845 A (MULLER et al) 17 March 1998 (17.03.1998), column 3, lines 12-32, the claims.	1-37
Y	US 5,736,570 A (MULLER et al) 7 April 1998 (07.04.1998), column 3, lines 17-34, the claims.	1-37
Y	US 5,703,098 A (MULLER et al) 30 December 1997 (30.12.1997), column 3, lines 17-37, the claims.	1-37
Y	US 6,020,358 A (MULLER et al) 1 February 2000 (01.02.2000), column 3, lines 35-65, the claims.	1-37
Y	US 6,046,221 A (MULLER et al) 4 April 2000 (04.04.2000), column 3, lines 16-34, the claims.	1-37



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:		"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"B"	earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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"O"	document referring to an oral disclosure, use, exhibition or other means		
"P"	document published prior to the international filing date but later than the priority date claimed		

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Mail Stop PCT, Attn: ISA/US  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Facsimile No. (703)872-9306

Authorized officer

Shengjun Wang

Telephone No. (571) 272-1600

**Continuation of Item 4 of the first sheet:**

The title is too long. NEW TITLE:

**SELECTIVE CYTOKINE INHIBITORY DRUGS FOR TREATING MYELOYDYSPLASTIC SYNDROME**

**Continuation of B. FIELDS SEARCHED Item 3:**

CAS ONLINE, MEDLINE search terms: selective cytokine inhibitor, myelodysplastic syndrome, tumor necrosis factor, cancer

# INTERNATIONAL SEARCH REPORT

PCT/US03/11324

## C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y,P	US 6,518,281 B2 (MULLER et al) 11 February 2003 (11.02.2003), the claims, particularly, claim 9.	1-37